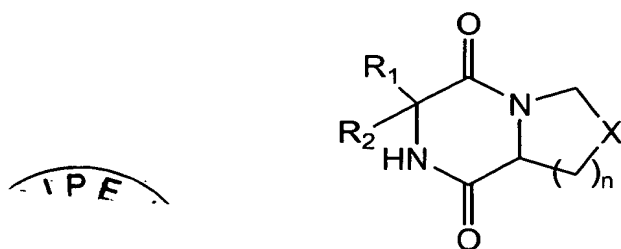


12. (Amended twice) A method of providing neuroprotection to a subject comprising administering to a subject in need of such treatment an effective amount of a compound having the formula:



or a pharmaceutically acceptable salt or hydrate thereof, wherein:

n is an integer from 0 to 3;

X is selected from the group consisting of -S-, -O-, -NR- and -CH₂-;

R₁ and R₂ are each independently selected from the group consisting of -H, -OR, -SR, -NRR, -NO₂, -CN, -C(O)OR, -C(O)NRR, -C(NR)NRR, trihalomethyl, halogen, (C₁-C₆) alkyl, substituted (C₁-C₆) alkyl, (C₂-C₆) alkenyl, substituted (C₂-C₆) (C₂-C₆) alkenyl, (C₂-C₆) alkynyl, substituted (C₂-C₆) alkynyl, (C₅-C₂₀) aryl, substituted (C₅-C₂₀) aryl, 5-20 membered heteroaryl, substituted 5-20 membered heteroaryl, (C₆-C₂₆) alkaryl, substituted (C₆-C₂₆) alkaryl, 6-26 membered alk-heteroaryl and substituted 6-26 membered alk-heteroaryl,

or R₁ and R₂ taken together are -CH₂-(CH₂)_m-CH₂-, where m is an integer from 0 to 6;

each alkyl, alkenyl, alkynyl, aryl, alkaryl, heteroaryl or alk-heteroaryl substituent is independently selected from the group consisting of -OR, -SR, -NRR, -CN, -NO₂, -C(O)OR, -C(O)NRR, -C(S)NRR, -C(NR)NRR, halogen and trihalomethyl; and

each R is independently selected from the group consisting of -H, (C₁-C₆) alkyl, (C₂-C₆) alkenyl, (C₂-C₆) alkynyl, (C₅-C₂₀) aryl, 5-20 membered heteroaryl, (C₆-C₂₆) alkaryl and 6-26 membered alk-heteroaryl.